

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

10/539464

World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29.07.2004

PCT

(10) International Publication Number
WO 2004/064217 A2

(51) International Classification: H02H

(21) International Application Number:
PCT/US2003/041779

(22) International Filing Date:
31 December 2003 (31.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/439,165 9 January 2003 (09.01.2003) US

(71) Applicant and

(72) Inventor: NEWMAN, Scott [US/US]; 14990 S.W. Carol-
wood Drive, Beaverton, OR 97007 (US).

(74) Agent: HANCOCK, Douglas, D.; Ipsolon llp, 805 S.W.
Broadway, #2740, Portland, OR 97205 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: SHELF GROUNDING DEVICE FOR REDUCING ELECTROSTATIC DISCHARGE RISK

(57) Abstract: A grounding clip is a shelf-grounding device comprising a resilient conductive clip that installs onto a fully assem-
bled shelving unit, providing a plurality of electrical connections between the shelf and post to reduce the risks from electrostatic
discharge, or ESD. The clip can be installed and removed without the use of tools and is held securely in place when attached. Since
the clip is attached after the shelving unit is assembled, less skill is required by the installer during the installation or reconfiguration
process. The clip is reusable and provides electrical connectivity between the shelf and post regardless of whether the shelving unit
was assembled with conductive or plastic split sleeves.

BEST AVAILABLE COPY

WO 2004/064217 A2